AMENDMENTS TO THE CLAIMS, COMPLETE LISTING OF CLAIMS IN ASCENDING ORDER WITH STATUS INDICATOR

Please amend the following claims as indicated.

1. (Currently Amended) An implant material comprising:

an implant made of titanium or titanium alloy, and

a plurality of titanium or titanium alloy ~~fiber~~ fibers fixed at the periphery of the implant,

wherein said titanium or titanium group alloy ~~fiber has~~ fibers have an average diameter of less than 100μm and an aspect ratio of 20 or more,

wherein said fibers are accumulated ~~in disorder~~ at random to form a layer comprising a growth space for biological tissue from the surface of said layer to inside of said layer, and

wherein said implant and said titanium or titanium alloy fibers are sintered together in vacuum so that the fibers are fused ~~or~~ and fixed to each other at their crossing points ~~or~~ and contacting points, and the fibers and the implant are fused ~~or~~ and fixed to each other at their contacting point.

2. (Canceled).

3. (Previously Presented) The implant material in accordance with claim 1, wherein a surface of said fibers is coated with calcium phosphate compound containing hydroxyapatite or carbonateapatite.

4. (Previously Presented) The implant material in accordance with claim 1, wherein the surface of said fibers is treated with a treating liquid comprising a physiological active material or a physiological activation promoter which activates cells.

5. (Previously Presented) The implant material in accordance with claim 4, wherein the physiological active material or the physiological activation promoter which activates cells is at

least one selected from the group consisting of cell growth factor, cytokine, antibiotic, cell growth controlling factor, enzyme, protein, polysaccharides, phospholipids, lipoprotein or mucopolysaccharides.

6. (Currently Amended) The implant material in accordance with claim 1, wherein the implant is an artificial root of a tooth having ~~an embedding~~ a part embedded in said layer of titanium or titanium group alloy fibers, and wherein the layer is integrally fixed to a periphery surface of the ~~embedding~~ embedded part of said artificial root.

7. (Currently Amended) The implant material in accordance with claim 1, wherein the implant is an artificial joint having ~~an embedding~~ a part embedded in said layer of titanium or titanium group alloy fibers, and wherein the layer is integrally fixed to a periphery surface of the ~~embedding~~ embedded part of said artificial joint.

8. (Currently Amended) The implant material in accordance with claim 1, wherein the implant is an implant for bone repair having ~~an embedding~~ a part embedded in said layer of titanium or titanium group alloy fibers and wherein the layer is integrally fixed to a periphery surface of the ~~embedding~~ embedded part of said implant.

9. (Canceled).

10. (Currently Amended) A method for forming an implant material comprising,

forming a layer by entangling titanium or titanium alloy fibers having an average diameter of smaller than 100μm and an aspect ratio is 20 or more, and

~~bring together~~ combining the layer with an artificial root of a tooth or an artificial joint, and sintering it in vacuum so that the fibers are fused to each other at their crossing points ~~or~~ and contacting points and the fibers and the artificial root or the artificial joint are fused ~~to or~~ and fixed to each other at their contacting point,

wherein said artificial root or said artificial joint is made of titanium or titanium alloy.

11. (Canceled).

12. (Canceled).

13. (Canceled).

14. (Previously Presented) The method for forming the implant material in accordance with claim 10, further comprising the step of treating the layer with apatite forming liquid after sintering.

15. (Previously Presented) The method for forming the implant material in accordance with claim 10, further comprising the step of treating the layer with a treating liquid comprising a physiological active material or a physiological activation promoter which activates cells.